

PALEONTOLOGY.—*Brachiopod homonyms*. G. ARTHUR COOPER, U. S. National Museum, and HELEN M. MUIR-WOOD, British Museum (Natural History).

While preparing a list of the brachiopod genera for the forthcoming "Treatise on Paleontology," the authors found a number of homonyms, which are adjusted below. In addition to these, three names previously thought to be homonyms proved to have been incorrectly replaced. Substitutions for these erroneously displaced names are also included herein.

*Argentiproductus* nom. nov. for *Thomasella* Paul, 1942, Zentralbl. Min. Geol. Paläont., Abt. B, **6**: 191 (non Fredericks, 1928, Bull. Com. Géol. Leningrad **46** (7): 778, 789, Brachiopoda).

Type species: *Producta margaritacea* Phillips, 1836.

*Callispirina* nom. nov. for *Mansuyella* Reed, 1944, Paleont. Indica (n. s.) **23**, mem. 2: 505 (non Endo, 1937, Bull. Manchurian Sci. Mus. 1: 353, Trilobita).

Type species: *Spiriferina ornata* Waagen, 1887.

*Capillirostra* nom. nov. for *Rhynchonellopsis* Böse, 1894, Palacontogr. **41**: 57, 77, 78, footnote (non Vincent, 1893, Ann. Soc. Malac. Belge **28**, mém.: 51, Brachiopoda).

Type species: *Rhynchonellina? finkelsteini* Bose, 1894.

*Elinoria* nom. nov. for *Elina* Fredericks, 1924, Bull. Com. Géol. Petrograd **38** (3): 320, 321 (non Blanchard, 1852, in Gray, Hist. Chile **7**: 28, Lepidoptera; or Ferrari, 1878, Ann. Mus. Stor. Nat. Genova **12**: 84, Hemiptera; or Houlbert, 1918, in Oberthuer, Étude Lép. **15**: 325, Lepidoptera).

Type species: *Spirifer rectangulus* Kutorga, 1844.

*EQUIROSTRA* nom. nov. for *Isorhynchus* King, 1850, Mon. Permian Foss., Palacont. Soc.: 81, 112 (non Schoenherr, 1833, Gen. et Sp. Curc. **1** (1): 22; 1836, **3** (2): 631, Coleoptera).

Type species: *Terebratulites aequirostris* Schlotheim, as represented by DeVerneuil in Geologie de la Russie d'Europe **2**, pl. 3, fig. 1. 1845.

*Hirsutella* nom. nov. for *Hirsutina* Kirchner, 1934, Neues Jahrb. Geol. Paläont. **71**, Abt. B (1): 106 (non Tutt, 1909, Brit. Butterfl. **3**: 154, Lepidoptera).

Type species: *Spirifer hirsutus* Alberti, 1864.

*Labriproductus* nom. nov. for *Worthenella* Girty, 1938, Journ. Washington Acad. Sci. **28** (10): 442 (non Walcott, 1911, Smithsonian Misc. Coll. **57** (5): 125, Vermes).

Type species: *Productus wortheni* Hall, 1858.

*Marionites* nom. nov. for *Marionella* Bancroft, 1928, Mem. Manchester Lit. Phil. Soc. **72**: 181 (non Cobb, 1922, Journ. Washington Acad. Sci. **11**: 504, Vermes).

Type species: *Marionella tyra* Bancroft, 1928.

*Nudirostra* nom. nov. for *Leiorhynchus* Hall, 1860, Ann. Rep. New York State Cab. Nat. Hist. **13**: 75 (non *Liorhynchus* Rudolphi, 1801, Archiv Zool. [Wiedemann] **2** (1): 49, Vermes).

Type species: *Orthis quadricostata* Vanuxem, 1842.

*Phymatothyris* nom. nov. for *Pallasiella* Renz, 1932, Abh. Schweiz. Paläont. Ges. **52**: 40, 41 (non Sars, 1895, Crustacea Norway **1**: 505, Crustacea; or Kirby, 1910, Synon. Cat. Orthopt. **3**: 168, Orthoptera).

Type species: *Pallasiella kerkyraea* Renz, 1932

*Pirgulia* nom. nov. for *Pirgula* DeGregorio, 1930, Ann. Géol. Paléont. Palermo **52**: 30 (non Tessmann, 1921, Mitt. Zool. Mus. Berlin **10**: 215, Lepidoptera).

Type species (by monotypy): *Lyttonia? (Pirgula) pedicula* DeGregorio, 1930.

*Plectorhynchella* nom. nov. for *Monticola* Nalivkin, 1930, Mem. Com. Géol. Leningrad **180**: 86, 188 (non Boie, 1822, Isis [Oken] 1822: 552, Aves).

Type species: *Athyris collinensis* Frech, 1902.

*Sphaerirhynchia* nom. nov. for *Wilsonella* Nikiforova, 1937, Palacont. U. S. S. R. Mon., Leningrad, **35**: 33 (non Carter, 1885, Ann. Mag. Nat. Hist. (5) **15**: 320, Spongiae).

Type species: *Terebratula wilsoni* J. Sowerby, 1816.

*Sträuspirifer* nom. nov. for *Schuchertia* Fredericks, 1926, Bull. Acad. Sci. U. R. S. S. **20** (5-6): 406 (non Gregory, 1899, Geol. Mag. (n. s.) dec. 4, **6**: 351, Echinodermata).

Type species: *Delthyris niagarensis* Conrad, 1842.

*Sulcirostra* nom. nov. for *Rhynchonellopsis* DeGregorio, 1930, Ann. Géol. Paléont. Palermo **55**: 6 (non Vincent, 1893, Ann. Soc. Malac. Belge **28**, mém.: 51, Brachiopoda).

Type species: *Rhynchonellina seguenzae* Gemmellaro, 1871.

*Tunarites* nom. nov. for *Tunaria* Hoek, 1912, Neues Jahrb. Min. Geol. Stuttgart, Beil. Bd. 34: 247 (non Link, 1807, Besch. Nat. Samml. Univ. Rostock 3: 165, Coelenterata).

Type species. *Tunaria cochambina* Hoek, 1912.

#### SUBSTITUTIONS FOR EXISTING NAMES

*Aethia* Thomson, 1915, Geol. Mag. 2: 389 (non *Aethia* Merrem, 1788, Vers. Grundr. Gesch. Vögel I, Tent. Nat. Syst. Av.: 7, 13, 20, Aves; and Hübner, 1825, Verz. bekannt. Schmett.: 340, Lepidoptera.). Substitute *Thomsonica* Cossmann, 1920, Rev. Crit. Paléozool. 24: 137.

Type species: *Terebratula gualteri* Morris, 1850.

*Megerlia* King, 1850, Mon. Permian Foss., Palaeont. Soc.: 81, 145, not preoccupied by *Megerlea* Robineau-Desvoidy, 1830, Mem. Prés Acad. Roy. Sci. Inst. France 2: 266, Diptera. *Mühlfeldtia* Bayle, 1880, Journ. Conch. 28: 240, proposed for *Megerlia* King, 1850, is a synonym.

Type species: *Anomia truncata* Gmelin, 1767.

*Yakovlevia* Fredericks, 1925, Rec. Geol. Com. Russian Far East 40: 7 (non *Jakowleffia* Puton, 1875, Petites Nouvelles Ent. 1 (128): 512, Hemiptera). Substitute *Muirwoodia* Licharew, 1947, C. R. Acad. Sci. Moscow (n. s.) 57 (2): 187.

Type species: *Productus mammatus* Keyserling, 1846.

PALEONTOLOGY—*Substitution for the preoccupied brachiopod name Hystricina.*

MERRILL A. STAINBROOK, Brandon, Iowa. (Communicated by G. A. Cooper.)

Dr. G. Arthur Cooper has recently informed me that Dr. Helen Muir-Wood and he have discovered that the name *Hystricina*, proposed by me in 1945 for a genus of atrypoid brachiopods, is preoccupied by *Hystri-*

*cina* Malloch, 1932 (Rec. Canterbury [N. Z.] Mus. 3: 433). To replace it I am suggesting *Spinatrypa* (*Hystricina* Stainbrook, not *Hystricina* Malloch, 1932). The type species is *Atrypa hystrix* var. *occidentalis* Hall.

BOTANY.—*A contribution to the lichen flora of Alaska.* GEORGE A. LLANO, Arctic, Desert, Tropic Information Center, Maxwell Air Force Base, Alabama. (Communicated by John A. Stevenson.)

The following new species, varieties, forms, new names, and distributions have been taken from a manuscript prepared as a report<sup>1</sup> of field work carried out in Alaska by the author in the summer of 1949 and by P. F. Scholander in 1948. The final report will contain a record of all macrolichens collected in Alaska including the Aleutians. All *Stereocaula* and Cladoniaceae were determined, respectively, by Dr. I. M. Lamb and Dr. A. W. Evans.

1. *Stereocaulon glareosum* (Sav.) H. Magn. in Göteborgs Kgl. Vet. och Vitterh.-Saml. Handl. 30: 60. 1926.

var. *brachyphyloides* M. Lamb, var. nov.

A specie typica differt phyllocladiis subper-sistententer graniformibus aut subdigitato-con-crescentibus, passim tantum papillae-formiter

excrecentibus; cephalodia magna, conspicua, ut in forma typica.

Forming caespitose-pulvinate, low clumps with uneven surfaces. Podetia firmly attached to the soil, short and stout, up to 1.5 cm long and 1-2 mm thick, congested, irregularly branched, ± upright or variously intricately, not dorsiventral; ± terete, clothed down to the base with a thin, smooth, adpressed, pale rosy-subochraceous tomentum; rigid but not markedly ligneous. Phyllocladia lateral on podetia, scanty in lower parts, congested and numerous in upper parts, cinereous-whitish, matt, unicolorous, mostly con-crescent grainlike or con-crescent-subdigitate,

<sup>1</sup> *Studies on the lichen flora of Alaska.* The North Slope of the Brooks Range, with Appendix. The work on which this report is based was supported by the Arctic Institute of North America with funds provided by the Office of Naval Research and was conducted under the auspices of the Smithsonian Institution.